

APPROVED	O. G. FIG.
BY	CLASS SUBCLASS
DRAFTSMAN	

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MAQTQGTRRKVVCYYDGDVGNYYYYGQGHPMKPHRIRMTHNLLIN
YGLYRKMEIYRPHKANAEMTKYHSDDYIKFLRSIRPDNMSEYSKQMQRFNVGEDCPV
FDGLFEFCQLSTGGSVASAVKLNKQQTDIAVNWAGGLHHAKKSEASGFCYVNDIVLAI
LELIKYHQRVLYIDIDIHGDGVEEAFYTTDRVMTVSFHKYGEYFPGTGDLRDIAGAK
GKYYAVYPLRDGIDDESYEAIFKPVMSKVMEMFQPSAVLQCGSDSLSGDRLGCFL
TIKGHAKCVEFVKSFNLPMMLGGGYTIRNVARCWTYETAVALDTEIPNELPYNDYF
EYFGPDFKLIHSPSNMTNQNTNEYYLEKIKQRLFENLRMLPHAPGVQMQAIPEDAIPEE
SGDEDEDPPDKRISICSSDKRIACEEEFSDSEECEGGRKNSSNFKKAKRVTDEKE
KDPEEKKEVTEEEKTKEEKPEAKGVKEEVKLA (SEQ ID NO: 1)

FIG. 1A

APPROVED	O. G. FIG.
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1 atgtctggg tctctgccc ctgggtctgc tgcgtccac tcgggtcatcc tgagaacaca
 61 gcctgagcgr ctctgtcact cgggttagac cacgggggaa ggcgaggcaag atggcgaga
 121 cgcaggcac ccggggaaa gttctttact actacgacgg ggtatttgaa aattactatt
 181 atggacaagg ccacccaatg aaggcctacc gaatccgcat gactcataat ttgtctgtca
 241 actatggtct ctaccgtt ataccggaaa atggaaatct atcgccctca caaaggcaat gctgaggaga
 301 tgaccaagta ccacaggcat gactacatta aattcttgcg cttccatccgt ccagataaca
 361 tgcaggatc cagaaggatc atggaggat tcaacgttgg tggactgt ccagtattcg
 421 atggcctgt tgaggctgt cagttgtcta ctgggttgc tggcaagt gctgtgaaac
 481 ttaataagca gcagacggac atcggcgat attggctgg gggcctgac catgcaaaaga
 541 agtcgcggc atctggttc tgttacgtca atgatatcgt ctggccatc ctggaaactgc
 601 taaaggatca ccagagggtg ctgtacatgg acattgatat tcaccatgg gacggcggtgg
 661 aaggggctt ctacaccacg gaccgggtca tgactgtgtc ctttccataag tattgaggat
 721 acttcccagg aactggggac ctacgggata cgggggtgg caaagacaag tattatgtg
 781 ttaactacc gctccgagac gggattgtg acgaggccctaa tgaggccatt ttcaaggccgg
 841 tcatgtccaa agtaatggg atgttccagg ctatgtcggt ggtcttacag ttgtggctcag
 901 actccctatc tggggatcg ttaggttgct tcaatctatc tattaaaggat caccggcaatg
 961 gtgtggaaatt tttcaaggagc tttaaccctgc ctatgtgtat gctgggggg ggtgggttaca
 1021 ccattcgtaa cgttgccgg tgctggacat atgagacagc tttggccctg gatacggaga
 1081 tccctaattga gcttccatc aatgactact ttgaattact ttgaccat ttcaaggctcc
 1141 acatcagtcc ttccaatatg actaaccaga acacgaatga gtacttggag aagatcaaaac
 1201 agcgaactgt tgagaacatt agaatgtgc cgacgcacc tgggtccaa acgcaggcga
 1261 ttccctggaa cgccatccct gagggaggatg gcgatggaga cgaaggacgc cctgacaaggc
 1321 gcatctcgat ctgctccctt gacaaacgaa ttgcctgtga ggaaggatgtc tccgattctg
 1381 aaggggggg agggggggc cgcaagaact ctcccaactt caaaaaaggc aagagagtca
 1441 aaacagaggaa tggaaaaggaa aagacccag aggagaagaa aggaatcacc gaaggaggaga
 1501 aaaccaaggaa ggagaaggcca gaaggccaaag gggtcaggaa ggaggccaaag ttggcctgaa
 1561 tggacccttc cagctcttc cagctctggc ttccctgtca cttccatccacg ttccatccacg (SEQ ID NO:2)

FIG. 1B

INVENTED	U. S. Pat.	
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MAYSQGGKKCKVYYYYDGDIGNYYYYGQGHPMKPHRIRMTHNLLL
NYGLYRKMEIYRPHKATAEEMTKYHSDEYIKFLRSIRPDNMSEYSKOMHIPPNVGEDCP
AFDGLFEFCQILSTGGSVAGAVKLNRRQQTDMAVNWAGGLHHAKKYEASGFCYYNDIVLA
IILELLKYHQRVLYIDIDIHHRGDGVEEAFYTTDRVMTVSFYGEYFPGTGDLRDIAG
KGKYYAVNFPMCDCGIDDESYGQIFKPIISKVMEMYQPSAVVLQCGADSLSGDRLGCFN
LTVKGHAKCVEVVKTFNLPLMLGGGYTILRNVARCWTYETAVALDCEIPNELPYNDY
FEYFGPDFKLHISPSNMTNQNTPEYMEKIKQRLFENLRMLPHAPGVQMQAIPEDAVHE
DSGDEDGEDPDFKRISIRASDKRIACDEEFSDSDEGEGRNVADHKKGAKARIEED
KKETEDKKTDVKEEDKSKDNSGEKTDTKGTKSEQLSNP (SEQ ID NO: 3)

FIG. 2A

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
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1	cgccgaggctt	tcggcaccc	tgccgggtgg	tacccggcct	ccctcccttc
61	ctcccacccgg	ccgccttc	ccgcggggac	acgtcccc	cagccctttt
121	ctctccggcc	cggccgggg	cggcggcgc	tatgcggcc	gaggaggccc
181	gtggcgggg	gcccattggg	cgccatggcg	gcaaggcggca	aaaaaaaggc
241	tgcctact	acgacgggt	tacagtcaag	gaggcgccaa	aaaaaaaatgc
301	cctcataggaa	tccgcattgac	tatttgcgtt	gacagggttca	tcccattggaa
361	gaaaatata	ggcccaataa	ctgttaacttg	ctgttaaattt	atggcttaca
421	tatataat	ttctacggtc	aaataagacca	gataaactgt	atggcttaca
481	cataat	atgttggaga	aggccactgcc	gaagaaatgt	cagaaatata
541	ctctcaactg	gggttcagt	ttcttcattcc	ctggttgcgt	cgtgatgtttt
601	gctgttaatt	gggctggagg	attacatcat	gactcttgcgt	taaggatgttt
661	tacgttaatg	tgccatcctt	tgatgtgttt	gactgttgcgt	gactgttgcgt
721	tatatcgata	tagatattca	tcatgggtat	gggtcgaaag	gatggatgttt
781	cgtgttaatga	cggtatcatt	ccataaaat	ggggaaatact	aggaggacttg
841	agggatatttg	gtgctggaaa	aggcaaaatac	tatgcgttca	gtgtgatgggt
901	atagacgatg	agtcatatgg	gcagatattt	tctcaaggat	gtgttcattt
961	tatcaaccta	gtgctgttgg	attacagtgt	ttcggcagact	cattatctgg
1021	ggttgtttca	atctaaccat	caaaagggtcat	gctaaatgtg	tgatagactgg
1081	aacttaccat	tactgtatgt	tggaggagggt	ggctacacaa	aaaaaactttt
1141	tggacatatg	agactggcgt	tggcccttggat	tccgttaatgt	tgctcgatgt
1201	gattacttg	accagacttc	ttcgaggattt	ccaaacggtt	gccatataat
1261	aaccagaaca	ctccagaaata	tgatattttgg	tttagtccttc	aaacatgaca
1321	atgttacttc	atgcacctgg	accaggatgg	gttctgttga	aaatttgcgc
1381	gacagtggag	atgaaggatgg	agaagatcca	cagaagatgg	ttttcatgaa
1441	aaggcggatag	cttgcgtatgg	agaaggatcca	tttctatcgt	agcatcagac
1501	agaaaatgtgg	ctgttgcgtt	agaaggatcca	gattctgtgg	aggaggtcga
1561	gaaaacagagg	acaaaaaac	agacgttaag	gaagaaggata	agataaagaaa
1621	gaaaaaaacag	ataccaaagg	aaacaaatca	gaacaggtca	caacagtgg
1681	tctcaccat	ttcagaatata	cattaaaaag	aaataatgg	aatctgacag
1741	gaagacttct	ggcttcattt	tataactactt	tggcatggac	ttttcttttt
1801	acttttcgt	ttttgttttt	tttatttgcgt	tttatttgcgt	ttatgaaaggca
1861	aaatttctt	tctccaccat	ctggcaagt	gatttttttt	aaatttgcgtt
1921	gtcaaaaaaaa	ctgatctatt	aaagaaggtaa	atagttattt	tgagctgtttc
1981	aaaaaaag (SEQ ID NO: 4)				

MAKTVAYFYDPDVGNFHYGAGHPMKPHRLALTHSLVLYGLYKK
MIVFKPYQASQHDMCRFHSEDYIDFLQRVSPTNMQGFTKSLMAPNVGDDCPVFPGLFE
FCSRYTGASLQGATQLNKICDIANWAGGLHHAKKFEASGFCYVNDIVIGTILELLKY
HPRVLYIDIDIHGDGVQEAFYLTDRVMTVSFHKGNTYFFPGTGDMYEVGAESGRYCY
LNVPLRDGIDDQSYYKHLFQPVINTQVVDFYQOPTCIVLQCGADSLGCFNLSTRGH
CECVEYVKSFNIPPLVGGGYTVRNVARCWTYETSSLVEEAISEELPYSEYFEYFAP
DFTLHPDVSTRIENQSRYQYLDQIROTIIFENLKMILNAPSQIHDPVADLLTYDRTDE
ADAEEERGPEENYSRPEAPNEFYDGDHDNDKESDVEI (SEQ ID NO: 5)

FIG. 3A

FIG. 3B

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MLAMKHHQQELLEHQRKLERHQEQELEKQHREQQKLNQQLKNKEKG
 KESAVASTEVKMKLQEFVLNKKKALAHPNLNHCISSCPRYYWYGKTQHSSLDQSSPPQS
 GVSTSYNHPVVLGMYDAKDDEPLRKTASEPNLKLRSLRKQKVAERRSSPLLRRKDGPPVV
 TALKKRPLDVTDSACSSAPGSGPSSPNNSSGSVSAENGIAPAVPSIPAETS LAHRLVA
 REGSAAPLPLYTSPSLPNITLGLPATGPSAGTAGQODTERLTLPALQQRQLSLFPGTHL
 TPYLSPLTSPLERDGGAHSPILLQHMVILLEQPPAQAPLVTGLGALPLHAQSLVGADRVS P
 SIHKIRQHREPLGRTQSAPLPQNAQALQHIVIQQQQQQFLEKHKKQQFQQQQQLQMNKLI P
 KPSEPARQPESHPEETEEELREHQALLDEPYLDRLPGQKEAHAAQAGVQVQKQEPIESDE
 EEAEPREVEPGQRQPSSEQELLFRQQQALLLEQQRITHQLRNYQASMEAAGIPVSFGGHR
 PLSRAQSSPASATFPVSVQEPPTKPRFTTGLVYDTIMLKHOCTCGSSSSSHPEHAGRIQ
 SIWSRLQETGLRGKCECIRGRKATLIEELQTVHSEAHTLLYGTNPLNRQKLDSSKKLGS
 LASVFTVRLPCGGVGVDSDTIWNEVHSAGAARLAVGCVVVELVFKVATGELKNGFAVVRP
 PGHHAEEESTPMGFCYFNSVAVAALKLQQQLSUSKILLIVDWDVHHGNGTQQAFYSDPSV
 LYMSLHRYDDGNFFPGSGAPDEVGTGPVGFGNVMMAFTGGLDPPMGDAEYLAAFRTVV
 MPIASEFAPDVVLASSGFDAVEGHPTPLGGYNLSARCFGYLTQLMGLAGGRIVLALE
 GGHDLITAICDASEACVSALLGNEILDPLPEKVLQQRPNANAVSMEKVMELHSKYWRCL
 QRTTSTAGRSLIEAQTCENEAAETVTAMASLSVGVKPAEKRPDEEPMEEEPPL (SEQ ID NO: 7)

FIG. 4A

FIG. 4B-1

FIG. 4B-2

FIG. 4B-3

FIG. 4B-4

FIG. 4B-5

FIG. 4B

FIG. 4B-1

1 ggagqtgtg gggccgcgc cgcggaggcac cgtcccccgc cccgaggccg
 61 agcccgca cccggccgc ccggccgcgc acagccctccc agccctggcc
 121 cccggggcg ccgtggccgc gtcggggctg tggccggccg cggcgccgg
 181 cgggtggcg cgcaggctga ggagatgcgg cggaggaggc ctagaggccg
 241 cggccggccgc ccggccgggt aaggcagcc cggccggggc gccccggggc cattgtccgc
 301 cgccccccc gcggccgcgc cagccctgcag gccttggagg cggcgccagg tggacgccc
 361 cggtccacac cggggccgc cggggccgtg ggggggggg gcccaggctg gcccggccgc
 421 gtgggaccgg ggggtcccca gggggccccc gccccttcga gaccccttcga cccggccgc
 491 gagggggctt cggccgggg cggggggggc gggggggggg cacggaggc
 541 tctccgggtg cggggccgc gccccccgg cgggttcatc tgcaagaagcc
 601 tctgttcaac ttgtgggtta cctggctcat gagacctatc cggcgaggct
 661 acgtctgtga cccagccctc accgtccgg tacttgtatg ttttggggg agttttggagc
 721 tcgttggagg tatcgtttcc gtggaaattt tgaggcatt cgaatcatc
 781 acattgctag caatgagctc ccaaaaggcat ccaatggac tttctggccg
 841 gtggaggctgc tgaatccgc cggcgtgaac cacatgccca gcacggtgg
 901 gcgctgcctc tgcaagtggc ccccccggc gggccatgg accccggccct
 961 ttctactgc ctgtggcaga gcccggccctg cggaggcaggc agctgcagca
 ggaggctccctg ggagctccgt

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1021 ggcgtcaagg agaaggcaggca gatccaggagg cagatccctca tcgcccggagg ccagaggccagg
 1081 cacggcagg tctccggca gcacggggc cagtcctca ggcacatcaa gcaataacaa
 1141 gagatgtgg ccatggca ccaggagg ctagtggaaac accggggaa gctggaggagg
 1201 caccggcagg agcaggagct ggaggaaaggc gggggaggc caccggggc aagaaggcgtcaag
 1261 aacaaggaga agggcaaaagg gatgtccggtg gccggggcggc aaggccatcg aatgtggat gaaaggatcaaa
 1321 gaatttgtcc tcaataaaaa gaaggccgtg gcccgggggatctgtggaaaccatctgaaacca ctgcacttcc
 1381 agagaccctc gctactggta cggggaaaacg cggcggatcccttggatcccttggacca gagttctcca
 1441 ccccgaggcg gagtgttcgac ctcctataac caccgggtcc tggggatgttgacccggccaaa
 1501 gatgacttcc ctcttaggaa aacagcttctt gaaaccggatccatc tgaaatccacg gttccaggctaa
 1561 aaggaggaaag tggccggaaag acggggaggc cccctgttac gcagggaaaaga cggggccagggtg
 1621 gtcactgctc taaaaaaggcg tccgttggat gtcacagact cggcggtcggcggcaggccca
 1681 ggctccggac ccaggtcacc caacaacagg ctcggggagg tccggggaggc tggtggcacga
 1741 ggcccccccg tccccaggcat ccccttctac acatcgccat ctcggggggc acgggttgg cgcacagact
 1801 gaaaggctcgg ccgttccact tcccttccact acatcgccat ctttggccat ctcggggggc
 1861 ggccctggctg ccacccggccc tctggggggc acggggggcc
 1921 acccttcccg ccctccaggca gaggtctcc ctttggcc
 1981 ctgaggccacct cggcccttggaa gggggacggaa gggggcc
 2041 atgggtttac tggaggcagcc accggcacaa gcacccctcg
 2101 cccctccacg cacagtccctt ggttgggtgca gaccgggtgt
 2161 cggcggacc tggaggccat gggggccatgg tcggggcc
 2221 ctgcaggacc tggtcatcca gcaaggccat gggggccatgg
 2281 ttccaggagg agcaactggca gatggaaacaag atcatccca
 2341 cagccggaga gccacccggaa ggaggccgggg
 2401 gacggccctt acctggaccg gctgggggg
 2461 cagggtggagg aggaggccat tgaggccat
 2521 gagccggggcc agcggccaggcc cagtgaggcc
 2581 ctggaggagg agcgggatcca ccaggccct
 2641 atccccgtgt cttcgccgg ccacaggcc
 2701 gcccaccttcc cgggttccgt gcaaggccccc
 2761 gtgtatgaca cgtgtatgctt gaggatcca
 2821 gagcacggcc ggaggatcca gaggatctgg
 1021 gatccaggagg cagatccctca tcgcccggagg ccagaggccagg
 1081 cacggcagg tctccggca gcacggggc cagtcctca ggcacatcaa gcaataacaa
 1141 gagatgtgg ccatggca ccaggagg ctagtggaaac accggggaa gctggaggagg
 1201 caccggcagg agcaggagct ggaggaaaggc gggggaggc caccggggc aagaaggcgtcaag
 1261 aacaaggaga agggcaaaagg gatgtccggtg gccggggcggc aaggccatcg aatgtggat gaaaggatcaaa
 1321 gaatttgtcc tcaataaaaa gaaggccgtg gcccgggggatctgtggaaaccatctgaaacca ctgcacttcc
 1381 agagaccctc gctactggta cggggaaaacg cggcggatcccttggatcccttggacca gagttctcca
 1441 ccccgaggcg gagtgttcgac ctcctataac caccgggtcc tggggatgttgacccggccaaa
 1501 gatgacttcc ctcttaggaa aacagcttctt gaaaccggatccacg gttccaggctaa
 1561 aaggaggaaag tggccggaaag acggggaggc cccctgttac gcagggaaaaga cggggccagggtg
 1621 gtcactgctc taaaaaaggcg tccgttggat gtcacagact cggcggtcggcggcaggccca
 1681 ggctccggac ccaggtcacc caacaacagg ctcggggagg tccggggaggc tggtggcacga
 1741 ggcccccccg tccccaggcat ccccttctac acatcgccat ctcggggggc acgggttgg cgcacagact
 1801 gaaaggctcgg ccgttccact tcccttccact acatcgccat ctttggccat ctcggggggc
 1861 ggccctggctg ccacccggccc tctggggggc acggggggcc
 1921 acccttcccg ccctccaggca gaggtctcc ctttggcc
 1981 ctgaggccacct cggcccttggaa gggggacggaa gggggcc
 2041 atgggtttac tggaggcagcc accggcacaa gcacccctcg
 2101 cccctccacg cacagtccctt ggttgggtgca gaccgggtgt
 2161 cggcggacc tggaggccat gggggccatgg tcggggcc
 2221 ctgcaggacc tggtcatcca gcaaggccatgg
 2281 ttccaggagg agcaactggca gatggaaacaag atcatccca
 2341 cagccggaga gccacccggaa ggaggccgggg
 2401 gacggccctt acctggaccg gctgggggg
 2461 cagggtggagg aggaggccat tgaggccat
 2521 gagccggggcc agcggccaggcc cagtgaggcc
 2581 ctggaggagg agcgggatcca ccaggccct
 2641 atccccgtgt cttcgccgg ccacaggcc
 2701 gcccaccttcc cgggttccgt gcaaggccccc
 2761 gtgtatgaca cgtgtatgctt gaggatcca
 2821 gagcacggcc ggaggatcca gaggatctgg

FIG. 4B-2

FIG. 4B-3

6601 acggtttgg gactttttg actttccctt ccctggggc cactcttgc tctgaagccc
6661 agattggcaa gagggactgg tccattttcc attcatggca cagaacagtgc cggggatccctg
6721 gcttagcggc tcttctggcc tccttggcc catctctgc atagccctc cactttttt cactcatct
6781 ccacctgccc tcttaccccg ccgtggctt aacatggact gctcagttggc caggatcatca gtggggggac
6841 ttttaaggcag atgatgggat tttttttttt aatgtgtc agaggattac tggttagcct
6901 ttaattctaa tttttttttt aatgtgtc agaggattac tggttagcct
6961 gtttcatctg tcaagttcaat gttttttttt aatgtgtc agaggattac tggttagcct
7021 tttttttttt aacatggactcg gttttttttt aatgtgtc agaggattac tggttagcct
7081 atctggctcg ggtttttttt aacatggactcg gttttttttt aatgtgtc agaggattac tggttagcct
7141 tgggggttctt gttttttttt aacatggactcg gttttttttt aatgtgtc agaggattac tggttagcct
7201 gggaggttcagc aagcggaggac tttttttttt aacatggactcg gttttttttt aatgtgtc agaggattac tggttagcct
7261 cttttttttt aacatggactcg gttttttttt aacatggactcg gttttttttt aatgtgtc agaggattac tggttagcct
7321 cacgccccac cagcaggcgg ctggcccggtt ggtttttttt aacatggactcg gttttttttt aatgtgtc agaggattac tggttagcct
7381 ccccaagggtt ccagggtctt tttaattttttt aacatggactcg gttttttttt aatgtgtc agaggattac tggttagcct
7441 tttaattttttt aacatggactcg gttttttttt aacatggactcg gttttttttt aatgtgtc agaggattac tggttagcct
7501 aaaggcaagtt tgatttttgc agcaactagca atggacttttgc tttttttttt aatgtgtc agaggattac tggttagcct
7561 aacattttt ctttactttttt gttttttttt aacatggactcg gttttttttt aatgtgtc agaggattac tggttagcct
7621 tggcccacg tttttttttt aacatggactcg gttttttttt aatgtgtc agaggattac tggttagcct
7681 gaatacattt tttttttttt aacatggactcg gttttttttt aatgtgtc agaggattac tggttagcct
7741 cttttttttt tttttttttt aacatggactcg gttttttttt aatgtgtc agaggattac tggttagcct
7801 gcctttctgt tttttttttt aacatggactcg gttttttttt aatgtgtc agaggattac tggttagcct
7861 acaaaaacctt tttttttttt aacatggactcg gttttttttt aatgtgtc agaggattac tggttagcct
7921 aaattttttt tttttttttt aacatggactcg gttttttttt aatgtgtc agaggattac tggttagcct
7981 gaaaaaaaaat tttttttttt aacatggactcg gttttttttt aatgtgtc agaggattac tggttagcct
8041 gaaacagtgt tttttttttt aacatggactcg gttttttttt aatgtgtc agaggattac tggttagcct
8101 tgattttttt gaaattttttt aacatggactcg gttttttttt aatgtgtc agaggattac tggttagcct
8161 gcccaggcgg gttttttttt aacatggactcg gttttttttt aatgtgtc agaggattac tggttagcct
8221 gggggactcg aaaaaaaaaat tttttttttt aacatggactcg gttttttttt aatgtgtc agaggattac tggttagcct
8281 gtgtatgtatg caatttactt tttttttttt aacatggactcg gttttttttt aatgtgtc agaggattac tggttagcct
8341 caatttactt tttttttttt aacatggactcg gttttttttt aatgtgtc agaggattac tggttagcct
8401 ttagctcggtt cttttttttt aacatggactcg gttttttttt aatgtgtc agaggattac tggttagcct

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LRQQGGLTGFMSSTSSIPGCLLGVALEGDGSPHGHASLLQHVLL
 LEQARQQSTLIAVPLHQSPLVTGERVATSMRRTVGKLPRHRPLSRTQSSPLPQSPQAL
 QQLVMMQQHQQQFLEKQKQQQLQLGKILTKTGEILPRQOPTHPEEETEEELTEQQEVLLGE
 GALTMPREGSTESESTQEDLEEEDEEEEDC1QVKDEEGESCAEEFGPDLEEPGA
 GYKKLFDSDAQPLQPLQVYQAPLSLATVPHQALGRTQSSPAAPGGMKSPPDQPVKHLFT
 TGVVVYDTFMLKHQCMCGNTTHVPEHAGRIQSITWSRLQETGLLSKcerIRGRKATLDEI
 QTVHSEYIHTLLYGTSPLNQKLDSDKLIGPISQKMYAVLPCGGIGVDSDTVWNEMHSS
 SAVRMAVGCLLELAFKVAAGELKNGFAITRPPGHAAEESTAMGFCFFNSVAITAKLLQ
 QKLNVGKVLLIVWDIHHGNGTQQAFYNDPSVLYISLHRYDNGNFFPGSGAPEEVGGGP
 GVGYNVNVAVWTGGVDPPIGDVEYILTAFRTVVMPIAHEFSPDVVTLVSAAGFDAVECHLSP
 LGGYSVTARCFGHLTRQLMTLAGGRVVLAALEGGHDLTAICDASEACVSALLSVELQPL
 DELVQQKPNINAVATLEKVIETQSKHWSQVQKFAAGLGRSLREAQAGETEEAETVSA
 MALLSVGAEQQAAAREHSPRPAEEPMEQEPAL (SEQ ID NO: 9)

FIG. 5A

FIG.5B-1
FIG. 5B-2

FIG. 5B

1 ccctgggca gggggcaac ctgaccggca agttcatgag cacatccctt attcctggct
 61 gcctgtggg cgtggcactg gaggggcagcgg gggccatggcc tccctgtgc
 121 agcatgtgtt gttgtgggg caggcccggc agcaggaggcac cctcattgtct gtgcacactcc
 181 acggggcagtc cccactagtg acgggtggaaac gtgtggccac cagcatgggg acggtagggca
 241 agctcccgcg gcatcgcccc ctgaggccgca ctcagtcctc accgctggccg cagagtcccc
 301 aggccctgtca gcaggctggc atgcaacaac aggaccaggca gttccctggag aaggcagaagg
 361 aggccctggc acaggctggc aagatcctca ccaaggacagg gggggctggcc aggccaggccc
 421 ccaccaccc tgaggaggaca gaggaggaggc tgacggaggca ggaggagggtc ttgtctgggg
 481 aggaggccct gaccatggcc cggggggct ccacaggagg tgaggaggaca caggaaggacc
 541 tggggggaa ggacggggaa gaggatgggg aggaggaggga ggatggcatc caggttaagg
 601 acgggggg cgaggagggt gctgggggg ggcccggactt ggaggaggct ggtgtggat
 661 acaaaaaaact gttctcagat gcccaggccgc tggcggcctt gcagggtgtac caggcgcccc
 721 tcaggctggc cactgtggc caccggccc tggggccgtac ccagtccctcc cctgctggcc
 781 ctggggcat gaagggcccc ccagaccagg ccgtcaagca cctcttcacc acagggtgtgg
 841 tctacgacac gttcatgtcta aaggcaccagg gcatgtgggg gaacacacac gtgcaccctg

FIG. 5B-1

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BY	CLASS	SUBCLASS
DRAFTSMAN		

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901	aggatgtgg	ccggatccag	agcatctgg	cccggctgca	ggaggacaggc	ctgcttagca
961	agtggaggcg	gatccggagg	cggaaaggca	cgcttagatga	gatccagaca	gtgcactctg
1021	aataccacac	cctgctctac	gggaccaggtc	ccctcaaccg	gcagaagcta	gacaggcaaga
1081	agtggctcg	cccctatcagc	cagaaggatgt	atgctgtgtct	gccttgggg	ggcatcggggg
1141	tggacagtga	caccgtgtgg	aatggatggc	actccctccag	tgctgtgcgt	atggcagtgtg
1201	gctgctgtct	ggagctggcc	ttcaagggtgg	ctgcaggaga	gctcaagaat	ggatttggca
1261	tcatccggcc	cccaggacac	cacgcccggg	aatccacagc	cacgggattc	tgcttcttca
1321	actctgttagc	catcacccgca	aaactccctac	aggagaaggtt	gaacgtgggc	aagggtcctca
1381	tcgtggactg	ggacattcac	catggcaatg	gcacccagca	ggcggtctat	aatgaccctc
1441	ctgtgctcta	catctctctg	catcgctatg	acaacggggaa	cttctttcca	ggctctgggg
1501	ctcctgaaga	ggttgtggaa	ggaccaggcg	tgggttacaa	tgtgaacgtg	gcattggacag
1561	gaggttgtgg	ccccccatt	ggagacgtgg	agtaccttac	aggccttcagg	acagtgggtga
1621	tgcccoattgc	ccacgggttc	tcacctgtatg	tggtccctagt	ctccggccggg	tttgatgtctg
1681	ttgaaggaca	tctgtctcc	ctgggtggct	actctgttcac	cgccagatgt	tttggccact
1741	tgaccaggca	gtgtatgacc	ctggcagggg	gccgggttgg	gctggcccttg	gagggaggcc
1801	atgacttgtac	cgccatctgt	gatgcctctg	aggcttgggt	ctcggtctctg	ctcagtgtag
1861	agctggaggcc	cttggatgag	gcagtttgc	agaaaaaggcc	caacatcaac	gcagtggcca
1921	cgcttagagaa	agtcatcgag	atccagagca	aacactggag	ctgtgtgcag	aagttcgccc
1981	ctggtctggg	ccggtccctg	cgaggggcc	aggagggtga	ggccggaggag	gccggagactg
2041	ttagggccat	ggcctttgctg	tcggtgtggg	cggaggaggc	ccagggttgcg	gcaggccggg
2101	aacacagccc	caggccggca	gaggaggccca	tggaggaggaa	gcctggccctg	tgacgccccg
2161	gcccccatcc	ctctcggttt	caccatttgt	tttttgttta	ttttttctat	taaaaaaaa
2221	aagtacacaca	ttc	(SEQ ID NO:10)			

FIG. 5B-2

APPROVED BY DRAFTSMAN	O.G. FIG. CLASS SUBCLASS
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1 mtstgqdstt trqrrsrqnp qsppqdssvt skrnikkagav prsipnlaev kkkgkmkklg
 61 gameedlivg lagmdlnlea ealagtg1vl deglnefhcl wddsfpege rlhaikeqli
 121 qeglldrcvs fqarfakkee lmvlvhsleyi dlmettqymn egelrvladt ydsvy1hps
 181 yscaclasss v1rlvdav1g aeirngmai rppghhaqhs lmdgycmfnh vaaaryaaqq
 241 khrirrvli v dwvhhgqgt qftfdqdpssv lyfssihryeq grfwphlkas nwsttggfqq
 301 qgytinvpwn qvgmrdayi aaf1hv1lpp alefqqqlvl vaagfdalqg dpkgemaatp
 361 agfaqlth11 mglaaggk1l sleggymira laegvsas1h t11gdpcpml espgapcrsa
 421 qassscalea lepfwevlvr stetverdm eednveesee eggweppvlp iltwpv1qsr
 481 tglvydqnmm nhcn1wdshh pevpqrilri morleelgia grcltitprp ateael1tch
 541 saeyvghlra tekmtktrlh ressnfdsiy icpstfacaq Tatgaacrlv eavisgevin
 601 gaavvrppgh haeqdaaagfcffnsavavaa rhaqtisgha lrlivdwdr hhgngtqhmf
 661 eddpsvlyvs lhrydhgtff pmgdegassq igrtaagtgft vnvawngpm gdaddy1aawh
 721 rlvpliayef npelv1vsag fdaargdplg gcqvspegya hlth11mg1a sgrililleg
 781 gynltssies maactrs1lg dpppllt1pr pplsgalasi tetiqvhrry wrslrvmkve
 841 dregpsssk1 vtkkapqpk prlaermtr ekkvleagmg kvtasfgee stpgqtnset
 901 avvalcqdp seaatggat1 aqtiseaaig gamlgqtte eavggatpdq ttseetvga
 961 ildqttsseda vggatigqt seavggat1 aqtiseaame gat1dqttse eapggtel1q
 1021 tpiassstdh1 tppspvqgt tpqispstli gs1rlt1elgs esqgasesqa pgeen1lgea
 1081 aggqdmadm 1mqgsrg1td qaiifyavtpl pwcphlvavc pipaag1dvt qpcgdcgtiq
 1141 enwvc1scyq vycgryingh mlqhhgnssg plvlsy1dls awcyuccqayv hhqall1dvkn
 1201 iahqnk1fged mphph (SEQ ID:11)

FIG. 6A

APPROVED	U.S. P.D.
BY	CLASS
DRAFTSMAN	SUBCLASS

FIG. 6B-1
FIG. 6B-2
FIG. 6B-3

FIG. 6B

1 gggcagtccc ctgaggaggc gggctgggtg aaacgcttagg ggcggagatct ggcggagatgg
61 aagaaccggcg gcaggggcca agcctccctca actatgacctt caaccggcca ggatccacc
121 acaaccaggc agcggagaag taggcagaac ccccagtcgc cccctcagga ctccagtgtc
181 acttcgaagg gaaatattaa aaaggaggcc gttcccccgt ctatccccaa tctagcggag
241 gtaaagaaga aaggcaaaat gaagaagctc ggccaaggcaa tggaaagaaga cctaatacgta
301 ggactgcaag ggatggatct gaacctcgag gctgaagcac tggctggcac tggcttggtg
361 ttggatgagg agtttaatga attccattgc ctctggatg acagcttccc ggaaggccct
421 gagcggctcc atgccccatca ggagcaactg atccaggagg gcctccttaga tcgctgcgtg
481 tcctttcagg cccgggttgc tgaaaaggaa gagcttacatgt tggttcacag cctagaataat

FIG. 6B-1

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APPROVED BY DRAFTSMAN	O.G. FIG. CLASS	SUBCLASS
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APPROVED BY DRAFTSMAN	O.G. FIG. CLASS SUBCLASS
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2341 gggggctgcc aggtgtcacc tgagggttat gccccaccta cccacacgt gatggggcctt
 2401 gcccagtggcc gcatttatcct tatccttagag ggtggctata acctgacatc catctcagag
 2461 tccatggctg cctgcactcg ctcctccctt ggagaccac caccctgtc gaccctgc
 2521 cggcccac tatcaggggc cctggcctca atcactgaga ccatccaaatg ccatgc
 2581 tactggcga gcttacgggt catgaaggca gaagacagag aaggacccctc cagttctaag
 2641 ttgttacca agaaggcacc ccaaccaggcc aaccaggcc aaccatgg tagcttaggg gatgaccaca
 2701 cgagaaaaaa aggttctgga agcaggcatg ggaaaagtca ctcggcatc attggggaa
 2761 gagtcactc caggccagac taactcagag acagctgtgg tggccctcac tcaggaccag
 2821 ccctcagg cagccacagg gggagccact ctggccaga catttctga ggcagccatt
 2881 gggggcca tgctggcca gaccaccta gaggaggctg tcggggagg cactccggac
 2941 cagaccaccc tggggaggac ttggggaggaa gccattctgg accagaccac ctcaggaggat
 3001 gctgttggg gagccacgct gggccaggact actcaggagg aggctgtagg aggaggctaca
 3061 ctggccaga ccatctcgga ggcagccatg gaggaggcca cactggacca gactacgtca
 3121 gaggaggctc cagggggcac cgagctgatc caaactctc tagcctcgag cacaggaccac
 3181 cagaccccc caacctcacc ttggcaggga actacacccc agatatctcc cagtagactcg
 3241 attggagtc tcaggaccc ttggagctaggc agcgaacctc agggggccctc agaaatctcag
 3301 gccccaggagg agggaaacctt aggatcttag gggcctcact gtcaggacat ggctgtattcg
 3361 atgctgacgc gtccccatcc ttggcaggta tgaaacaatc gatcaggccca tatttatgc tgtgacacca
 3421 ctggccctggt gtggggactg ttggaaactc caagagaact ggggtgtgtct ccttagacgtg
 3481 acccaaccc ttgggtcgtt catcaatggc ccatgtctc aacaccatgg aaattctgga
 3541 caggcttacc gtgggtcgtt catcgaccc tcagcctggc gttactactg tcaggccat
 3601 cacccgctgg tcctcaggcca catcgaccc tcagcctggc accatcggcc accagaacaa
 3661 gtccaccacc aggtctcctt agatgtgaag aacatcggcc tacgggtccct ttccaccc
 3721 gatatgcccc acccacacta agcccccaggaa tacgggtccct ttccaccc
 3781 gatagaccag ttccagcctg ttccaggctg taccttggat gaggggttagc
 3841 atcccatccctt gaatatcctt tgcaactccc caagagtgtt tatttaatgg
 3901 taagagaact gcgacgattta attgtggatc tcccctggcc catcgcccc
 3961 ccactactcc agcccaagg gaaagggggg cagctcaggta gcccggata
 4021 tcatgaggat aacattggcg ggagggggat taactggcag gcatggcaag
 4081 taataaagta caagctgtt (SEQ ID NO: 12)

FIG. 6B-3

APPROVED	O. G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

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1 md1rvggrrp veppept11 algrpqr1hh hlflag1qqq rsvepmrlsm dtppmpelqvg
 61 pgeqelrql1 hkdkskrsav assvvkqkla evilkkqqa1 lertvhpnsp gipyrtlepi
 121 etegatrsml ssflppvpsi psdppehfpl rktvsepn1k lrykpks1e rrknpl1rke
 181 sappslrrrp aet1gdssps ssstpasgcs spndsehgpn pilgdsdr1t hpt1gprgpi
 241 lgsph1f1 phglepeagg clpsr1qpi1 11dpsgshap 11tvp1g1p1 pfhfaqsint
 301 terlsgsg1h wplsrtsep lpsatapp ppmpqrleq 1kthvqv1kr sakpsekpr1
 361 rqipsaede tdgggppqvv ddglehrelg hqpearrgpa plqqhpqv1i wegqrlagrl
 421 prgstgdcvi lplaqqghrp lsraqsspa1 pasisapepa sqarv1ssse tpart1pf1t
 481 gliydsym1k hqcschgdn1r hpehagriqs iwsrlqerg1 rsqceclrgr kasieelqsv
 541 hserh1v1lyg tnplsrlkld ngklag1iaq rmfem1pcgg vgvdt1t1wm elhssnaarw
 601 aagsvtdlaf kvasrelking favvrppghh adhstamgfc ffnsvaiacr qlqqqskask
 661 askilivdwd vhhgngtqqt fyqdp1svlyi slhrhddgnf fpgsgavdev gagsgegfnv
 721 nvawagg1dp pmgdpey1aa frivvmpiar efspd1lv1vs agfdaaeghp aplgg1yhvsa
 781 kcfgy1mtq1l mn1aggav1 alleghd1ta icdaseacva allgnrvd1l seegw1qk1p1
 841 pqchp1sggr dpgaq (SEQ ID NO: 13)

FIG. 7A

FIG. 7B-1

FIG. 7B-2

FIG. 7B

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1 ataataccta ctttgcagga ccacgacagg attaagttag gaaaaaacc catgagagg
 61 ttttgcatt gtcaagttag cctgagggag gctgaggggg gatcaggctg tatcatgccc
 121 ccgaggacaa actttccatt ttacccctgtt ccctctcttccgt tgcccttaggc tgccctaggc
 181 cctgcgcaga cacaccaggc ctcagccgc agcccatggg cctgcgggtg ggccagcgcc
 241 ccccaggtagg gccccccacca gaggccacat tgctggccct tgctgggttcc cagggccctgc
 301 accaccaccc ttcccttagca ggctgtcaggc agcaggcgtc ggtaggggccc atgaggctct
 361 ccatggacac gccgacgccc gaggttgcagg tggaccacca ggaacaaggag ctggggcagc
 421 ttctccacaa ggacaaggc aagcgaatgg ctgttagccag cagcgtggtc aaggagaagg
 481 tagcggaggat gattctgaaa aaacaggcagg cggcccttaga aagaacagtc catccaaaca
 541 gccccggcat tccctacaga accccggaggc ccctggagac ggaaggagggc acccgctcca
 601 tgctcaggc cttccgcct cctgctccca gcccggccag tgaccggcc gaggactccc
 661 ctctgcgcaa gacagtctt gaggccaaacc tgaagctgcg ccataagccc aagaagtccc
 721 cggaggcgag gaagaatcca ctgttccggaa aggagagtgc gccccccagg cccggggcc
 781 ggcccgccaga gaccctcgaa gactcctccc caagttagtag cagcacgccc gcatacggt
 841 gcagtcccc caatgacagg gaggcacggcc ccaatcccat cttggcgac agtggaccgca
 901 ggaccatcc gactctggc cccgggggc caatcctggg gaggcccccac actccctct
 961 tcctggccca tggcttggag cccggggctg ggggcacctt gcccggccctt ctgcagggcc
 1021 ttccctctcc ggacccttca ggctctcatg ccccgcttgcct gactgtgccc gggcttggg
 1081 ctttgcctt ccactttgc cagtccattaa tgaccaccga ggggtcaggcc gggtcaggcc
 1141 tccactggcc actgagccgg actcgcttag agcccttag ccccgctggc accgctcccc
 1201 caccggccgg ccccatggc gggggccctgg aggaggccca aactcacgtc cagggtgatca
 1261 agaggtcagg caaggccagg gagaaggccc ggctggggca gataccctcg gctgaaagac
 1321 tggagacaga tgggggggg ccggggccagg tggtagacga cggccggggag cacagggggcc

FIG. 7B-1

APPROVED BY DRAFTSMAN	O. G. FIG. CLASS SUBCLASS
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1381 tggcccatgg gcagcccgag gccagaggcc acaggcgg a cttccatgg
 1441 tgctctggg acaggcggga ctggctggc ggctcccg
 1501 tgctgttcc tctggcccg ggtggcacc ggctctgtc
 1561 cgcacccctgc ctcactgtca gcccaggagg ctggccaggca
 1621 cagggacccc tgccaggacc ctgccttca ccacagggt
 1681 tgaaggacca gttgacaaaca ggtgaccc
 1741 agggcatctg gtcctggat gtcctgggg cttccatgg
 1801 gcccgggg cttccatgg gaggctcgat cggctccactc
 1861 acggcaccaa cccgctcagg cggctcaaac
 1921 cacaggat gttgagat ctggccctgt
 1981 ggaatggat tcattccllc aatgcaggcc
 2041 cttcaaaat ggcttctcg
 2101 accatggaga tcattcaaca
 2161 gccggcagct gcaacaggcag
 2221 gggacgttgc ccatggcaac
 2281 acatctccct gcatcgccat
 2341 aggttaggggc tggcagggt
 2401 accccccat ggggatcct
 2461 cccgaggaggat ctctccagac
 2521 acccgcccccc acLgggtggc
 2581 aactgtatgaa cctggcaggaa
 2641 cagccatctg tgacggccct
 2701 cccttcaga agaaggctgg
 2761 gccgtgatcc gggtgtc
 2821 gactcctggg
 2881 ctggcgcccc
 2941 gagaaagaac
 3001 ggacctgggtt
 3061 gtggcaagt
 3121 gtggaggaaat
 c (SEQ ID NO:14)

1381 ccgctcctctt ccaggcaggac
 1441 gggtcccccgg ggccaggacc
 1501 gggtgttcgg ccgggttc
 1561 ggcccggatc ctgtccatgc
 1621 gatctatgac tcggtcatgc
 1681 ggaggacggcc ggccgcatcc
 1741 ccaggctcgagg ccgtgttgg
 1801 tgaggggcacc tggttccct
 1861 tggacaaacgg
 1921 gttggggatgg
 1981 gttggggatgg
 2041 tggcaggcc
 2101 tggggatgg
 2161 tggggatgg
 2221 cccaaatctta
 2281 aatcttccc
 2341 gggctgggt
 2401 ctgttcag
 2461 ctgtccgg
 2521 ttggatac
 2581 ggggtggc
 2641 atgtcaatgt
 2701 gatagtcgtg
 2761 atttgatgt
 2821 gttggatac
 2881 ttggatac
 2941 gttggatac
 3001 gttggatgg
 3061 gttggatgg
 3121 gttggatgg

1381 cctcagggt
 1441 gggacactg
 1501 tcttcccag
 1561 ctctccatgc
 1621 tcggtcatgc
 1681 ggccgcatcc
 1741 tgcgtccgag
 1801 gttgttgg
 1861 ggggttgg
 1921 gttggggatgg
 1981 tggcaggcc
 2041 actgaccc
 2101 ccccaggac
 2161 gccatcgcc
 2221 caactcaatgt
 2281 caagatcc
 2341 atttgttcc
 2401 gttggatgg
 2461 gttggatgg
 2521 gttggatgg
 2581 gttggatgg
 2641 tctggtaac
 2701 tggctgtct
 2761 gttggatgg
 2821 gttggatgg
 2881 tttgtgg
 2941 gttggatgg
 3001 gttggatgg
 3061 gttggatgg
 3121 gttggatgg

FIG. 7B-2

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

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1 meepeepads gqslvpvyiy speyvsmcds lakiplkrasm vhsliyeayal hkgmriivkpk
61 vasmeemtf htdaylqh1q kvsqegdddh pdsieyglgy dcpatetgfd yaaaaggati
121 taaqclidgm ckvainwsgg whhakkdeas gfcyldav1 gilrrrkfe rilyyddlh
181 hggvvedafs ftskymtvs1 hkfspgffpg tgdvsdvg1g kgryysvnvp iqdgigdeky
241 yqicesvlike vyqafnpkav v1qlgadttia gdpmcsfnmt pvgigkclky ilqwqlatli
301 lgggynlan tarcwtyltg vilgktlsse ipdbefftay gpdyvleitp scrpdrneph
361 riqqilnyik gn1khvv (SEQ ID NO:15)

FIG. 8A

1 gaaattcggc acgagctcg 61 ggagccggag gaaccgggg acagtggca gcacgagaaac ggttttaaagc ggaagatgg
 121 ctagtatgtc agtatgttg actccctggc caagatcccc gtcgctggc cccggtttata tctatagtcc
 181 ttctttgatt gaagcatatg cactgcataa gcaaattggg atagttaaagc gtatggtgca
 241 ctccatggag gagatggcc cttccacac tgatgctt atgcggcatc ctaaagtggc
 301 cagccaaagg ggcgatgt atcatccgg a ctcataagaa tccggcatc tccagaagg
 361 cccaggccact gaaggatat ttgactatgc agcagctata tatggctag gttatgactg
 421 tgcccaatgc ctgattgacg gaatgtggaa agtagcaatc aactgtctg gaggtggca
 481 tcatgcaaaag aaagatgaa catctggtt tcgttatctc aatgtatgtcg tcctggaaat
 541 attacgattg cgacggaaat ttgaggcgat ttccctacgtg gattcggatc tgaccatgg
 601 agatggtga gaagacgcat tcagttcac ctccaaagtc atgacggtgt ccctgcacaa
 661 attctccca ggattttcc caggaacacgg tgacgtgtcc gacgttgccc tagggaaagg
 721 acggtaatc agttaaatg tgcccatcca ggtatggcata caagatgaaa aatattacca
 781 gatctgcgaa agtgtactaa aggaagtata ccaaggctt aatcccaaag cagtggctt
 841 acagctggg gcccacacaa tagctgggaa tcccatgtgc tccttttaaca tgactccagg
 901 gggaaattggc aagtgtctca agtacatccc tcaatggcag ttggcaacac tcatttcgg
 961 aggaggaggc tataaaccttgc caaacacggg tcgatgtgg acataacttgc cgggggtcat
 1021 cctaggaaaa acactatctt ctgagatccc agatcatgag ttttcacag catatggtcc
 1081 tgattatgtg ctggaaatca cggcaagctg cggccagac cgcaatgagc cccaccgaat
 1141 ccaacaatc ctcaactaca tcaaaggaa tctgaaggcat gtggcttagt tgacagaaag
 1201 agatcagggtt tccagaggctg aggagtgtgt cctataatga agacaggcgtg ttatgcag
 1261 cagtttgrgg aatttgtgac tgcaaggaaa atttggaaaga aattacttcc tgaaaatttc
 1321 caagggcat caagtggcag ctggcttccct ggggtggaaa ggcaggcacc ccagagtcct
 1381 caactggacc tagggaaaga aggagatarc ccacattaa agttcttatt taaaaaaaca
 1441 cacacacaca aatggaaattt ttaatcttgg aaaattttt ttaaggcgaat tgggggggg
 1501 agtattttaa tcatcttaaa tggaaacagat cagaaggctgg atgagaggcag tcaccagg
 1561 tagggcagg aggcaatgtga caggcagggn tngggcctn ggaccanccca ngtggagccc
 1621 tggggagagaaatggactc ngttactgtc ngtcactgg gagg (SEQ ID NO:16)

FIG. 8B

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lipo MM1 AS1 100nM

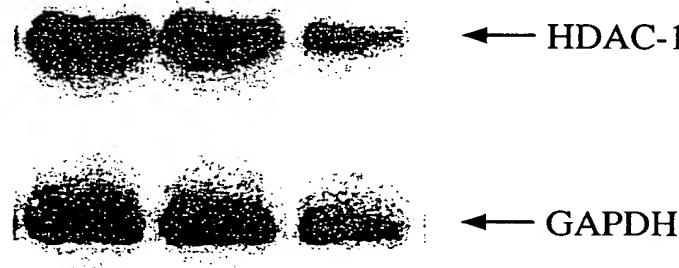


FIG. 9A

lipo MM AS 100nM

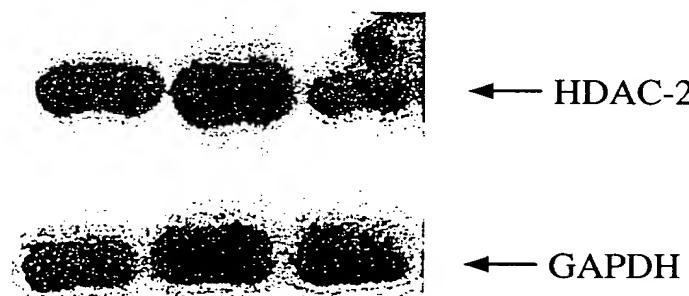


FIG. 9B

lipo AS MM100nM

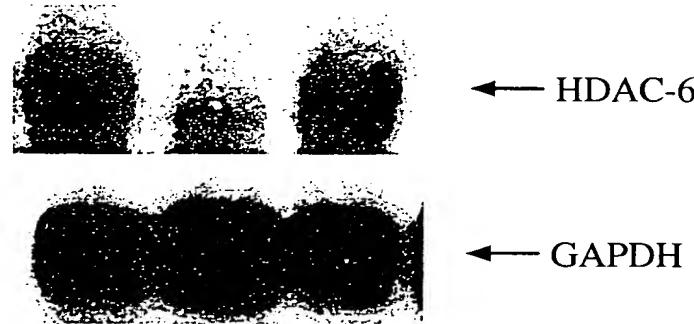


FIG. 9C

APPROVED	O. G. H.G.
BY	CLASS
DRAFTSMAN	SUBCLASS

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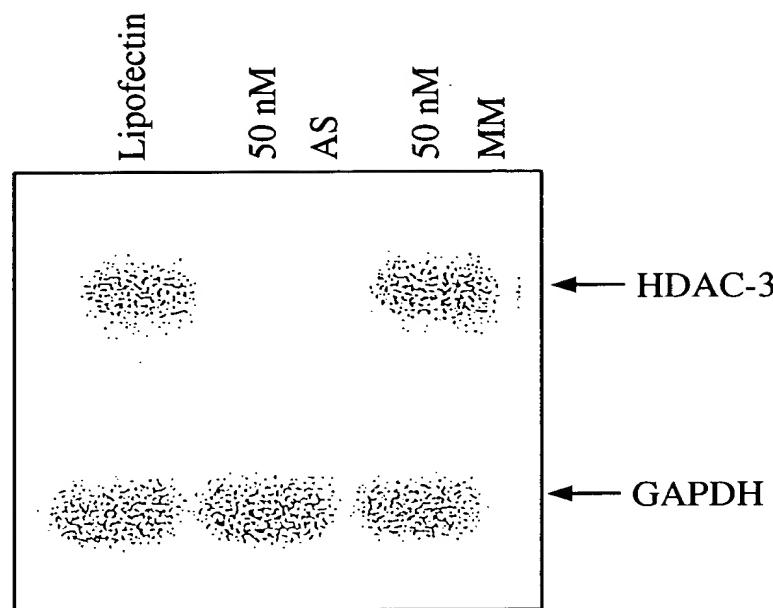


FIG. 9D

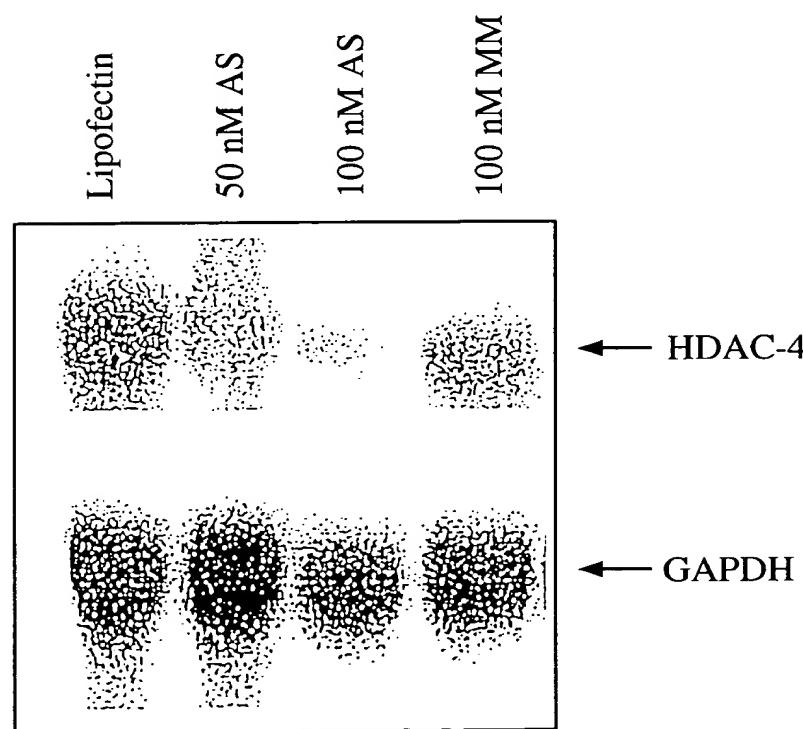


FIG. 9E

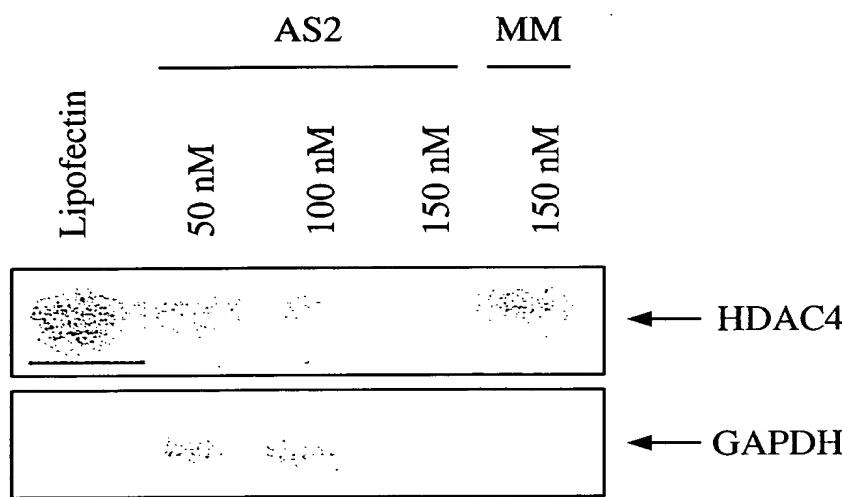


FIG. 9F

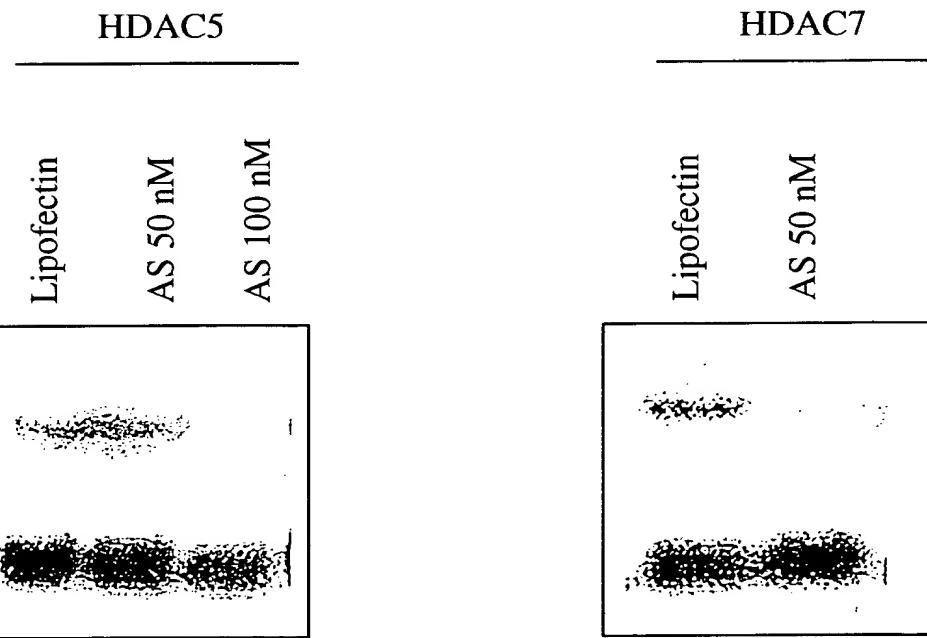


FIG. 9G

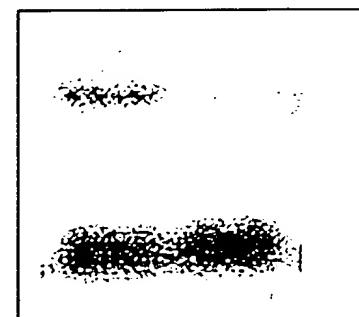


FIG. 9H

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

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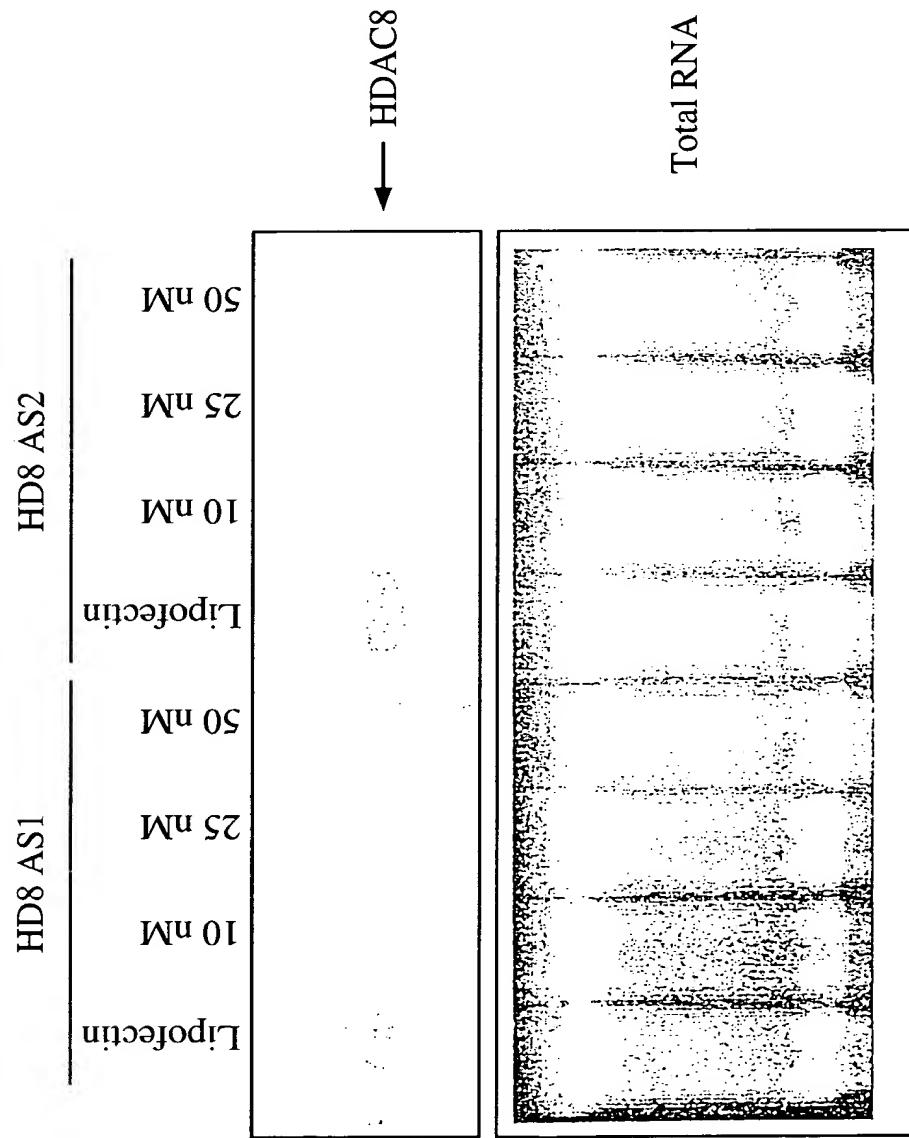
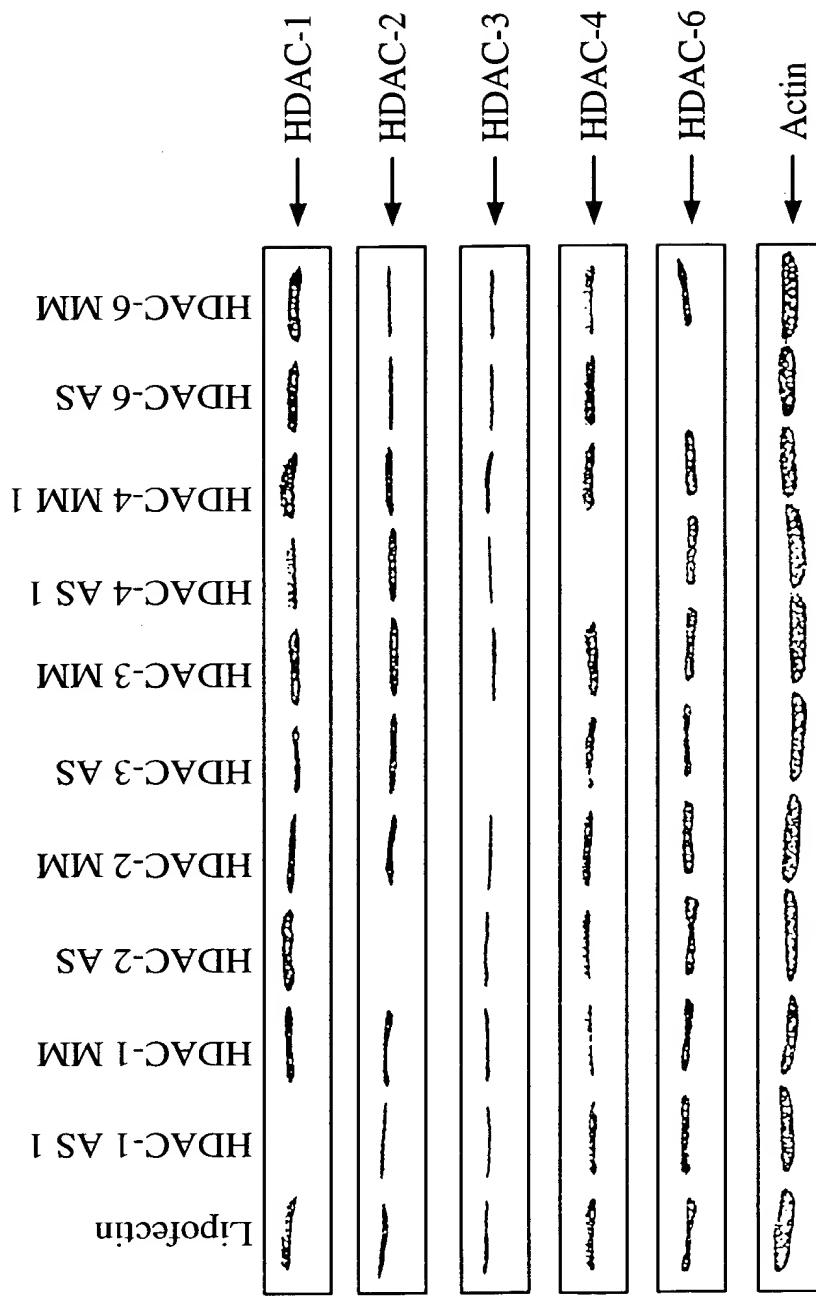


FIG. 9I

APPROVED	O. G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

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AS = Antisense
 MM = Mismatch
 NS = Non-specific control

3 day treatment
 Oligonucleotide cone - 50nM

FIG. 10A

APPROVED BY DRAFTSMAN	O. G. FIG. CLASS	SUBCLASS
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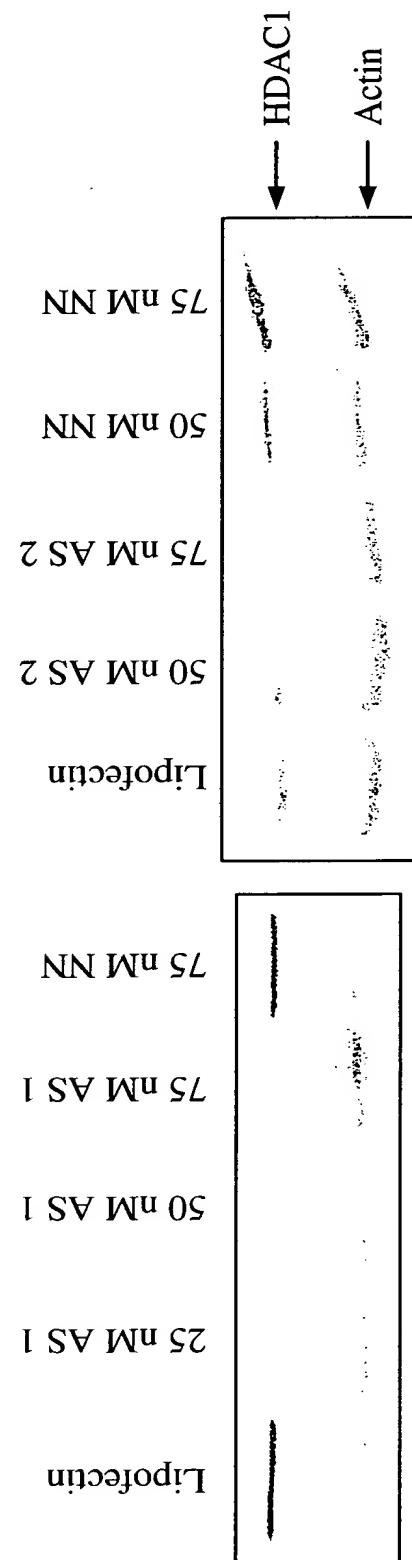


FIG. 10B

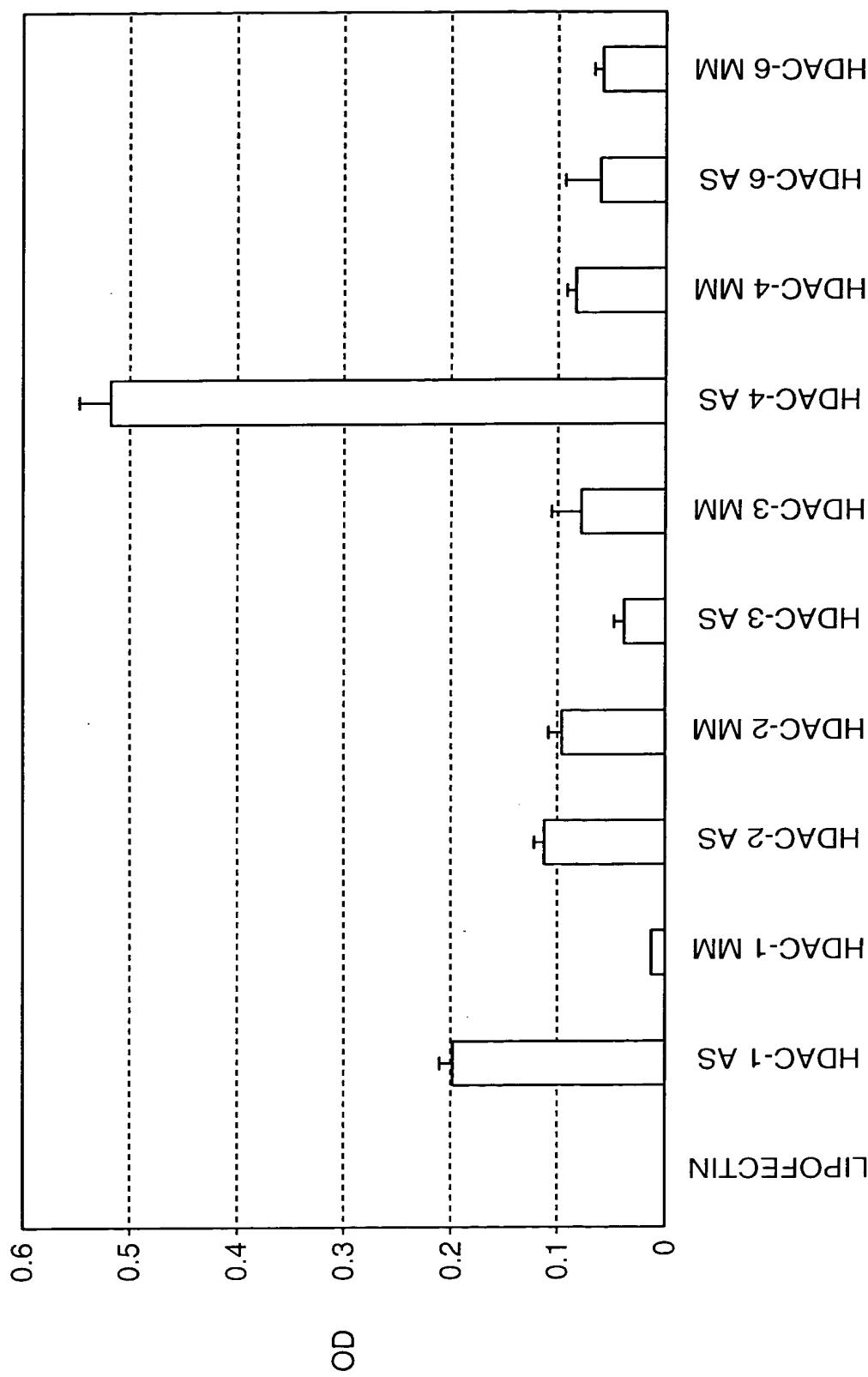


FIG. 11

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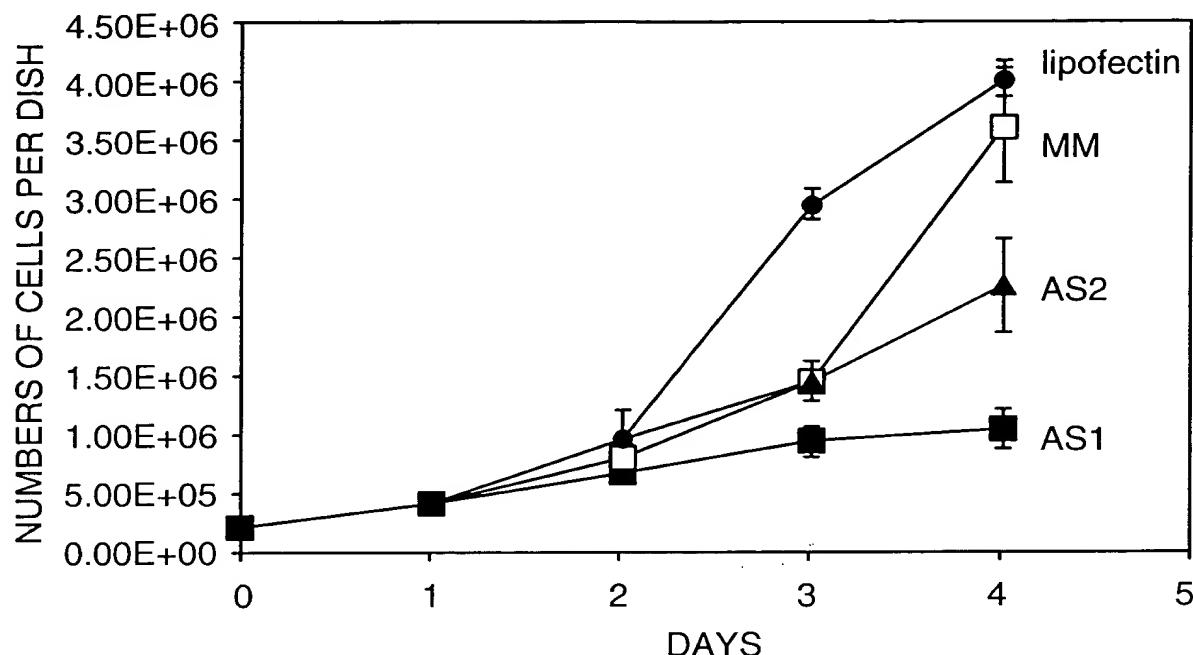


FIG. 12A

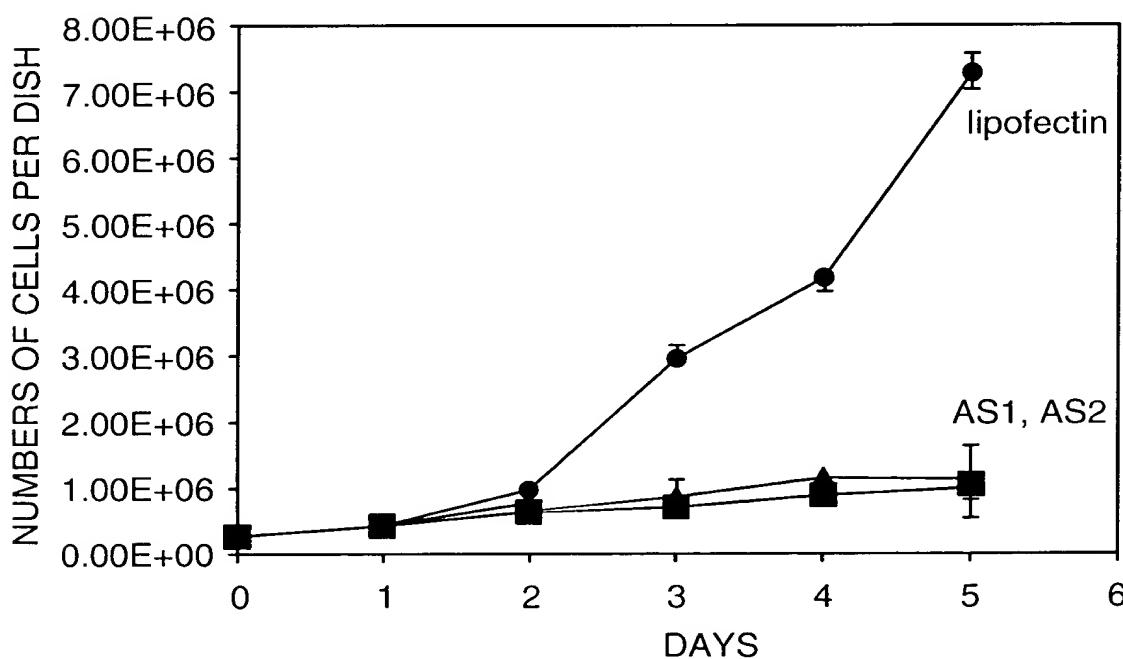


FIG. 12B

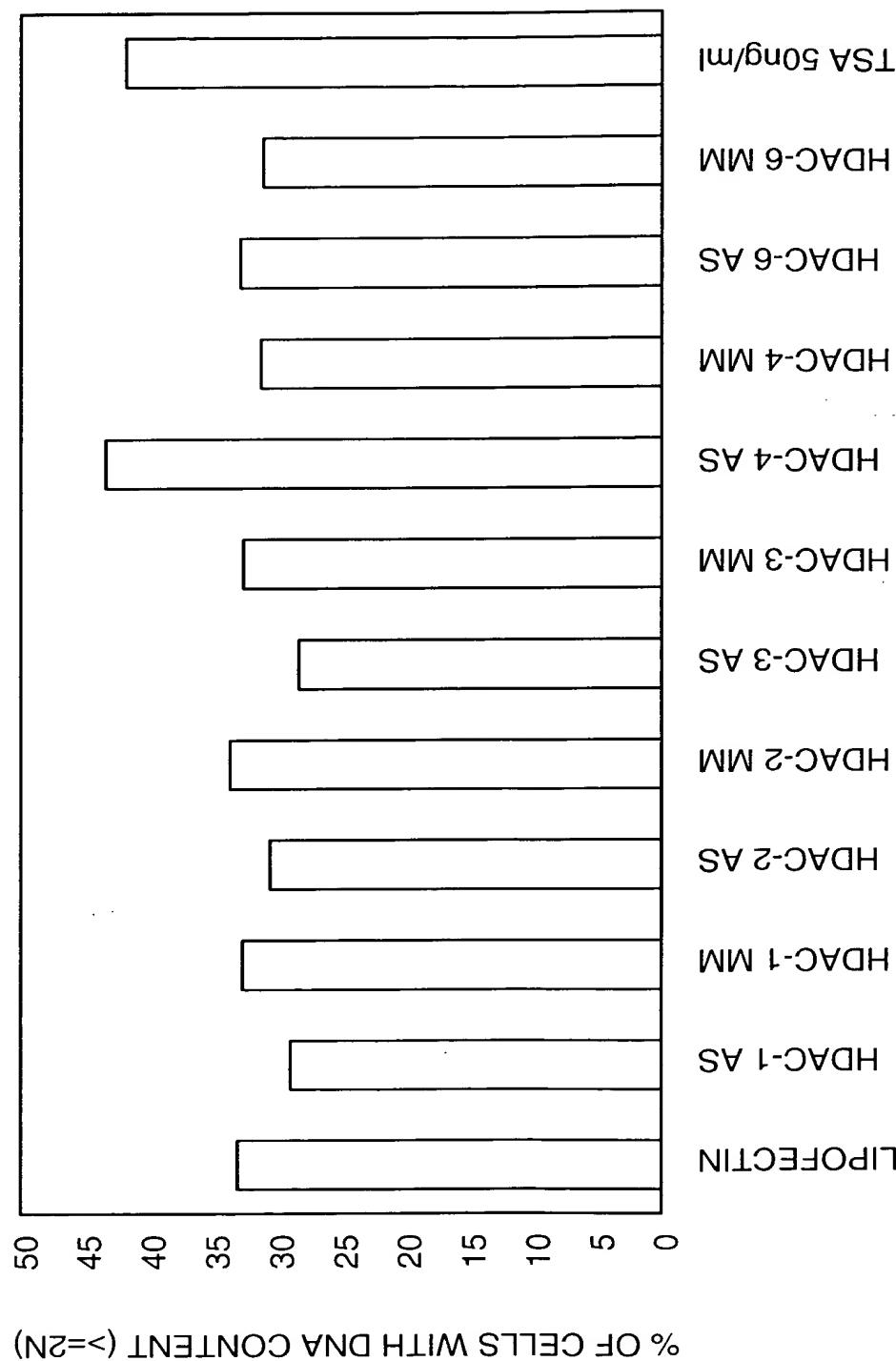


FIG. 13

APPROVED	O.G. FIG.
BY	CLASS SUBCLASS
DRAFTSMAN	

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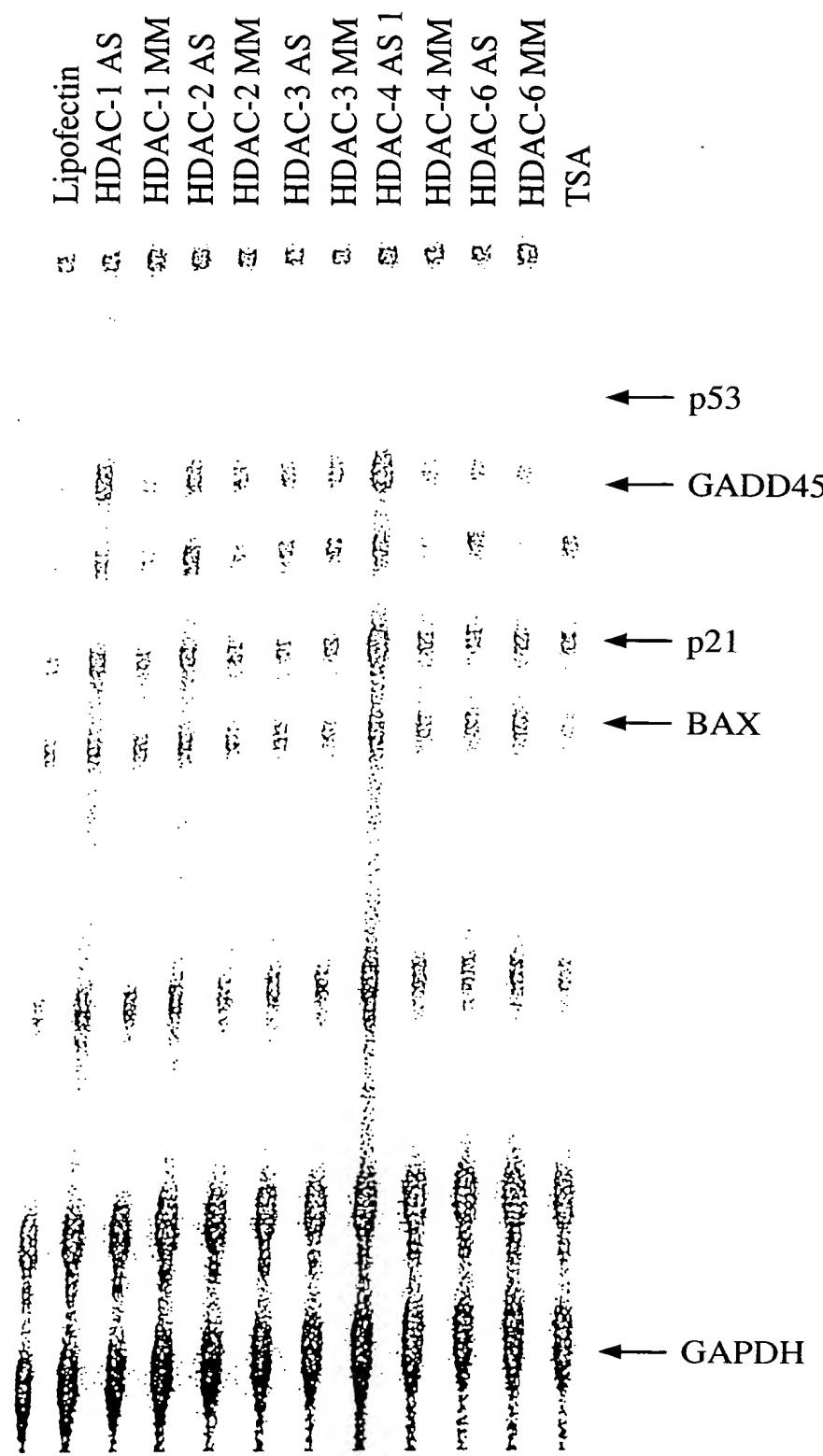


FIG. 14

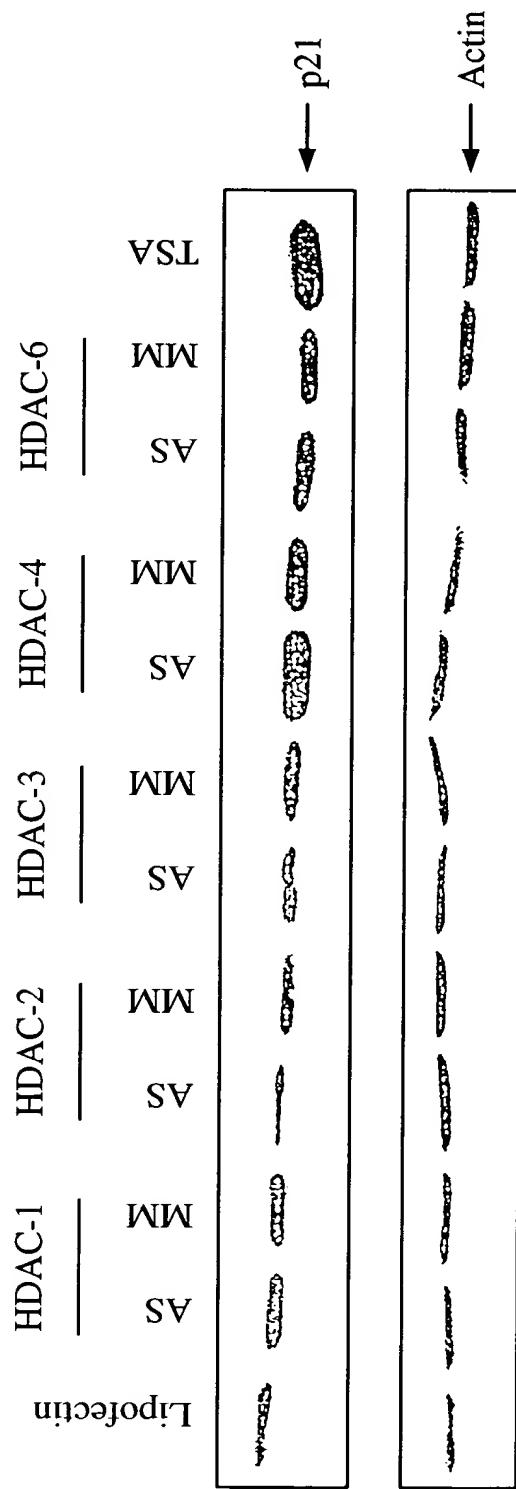


FIG. 15

APPROVED	O. G. FIG.
BY	CLASS SUBCLASS
DRAFTSMAN	

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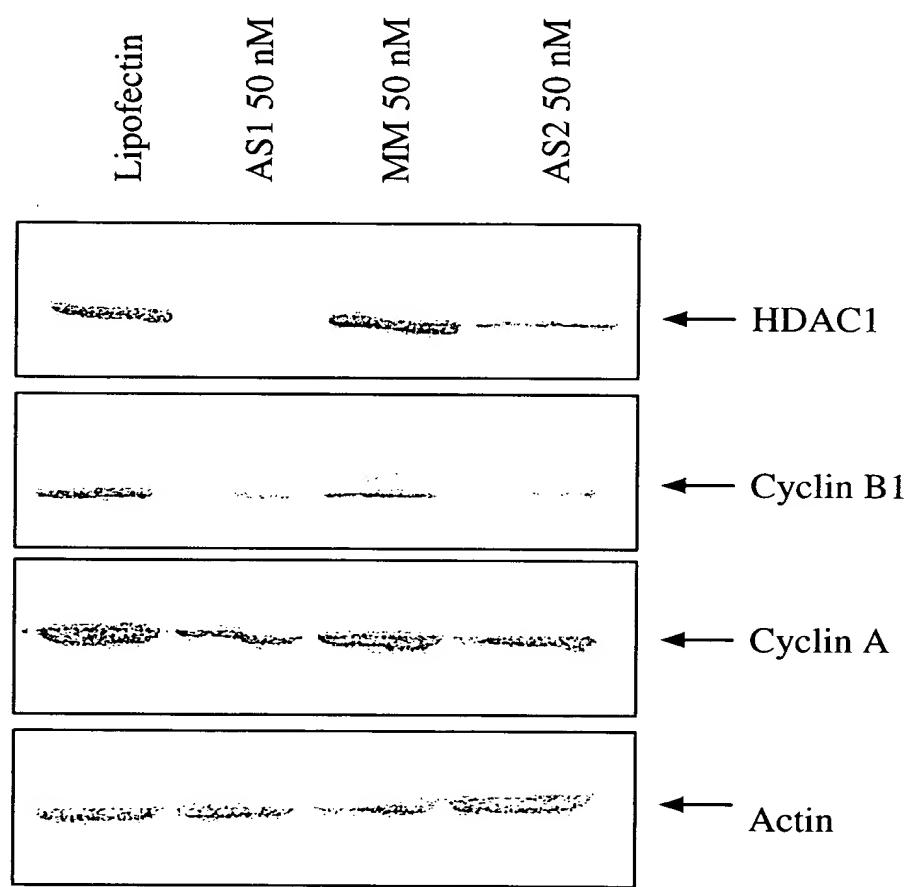


FIG. 16

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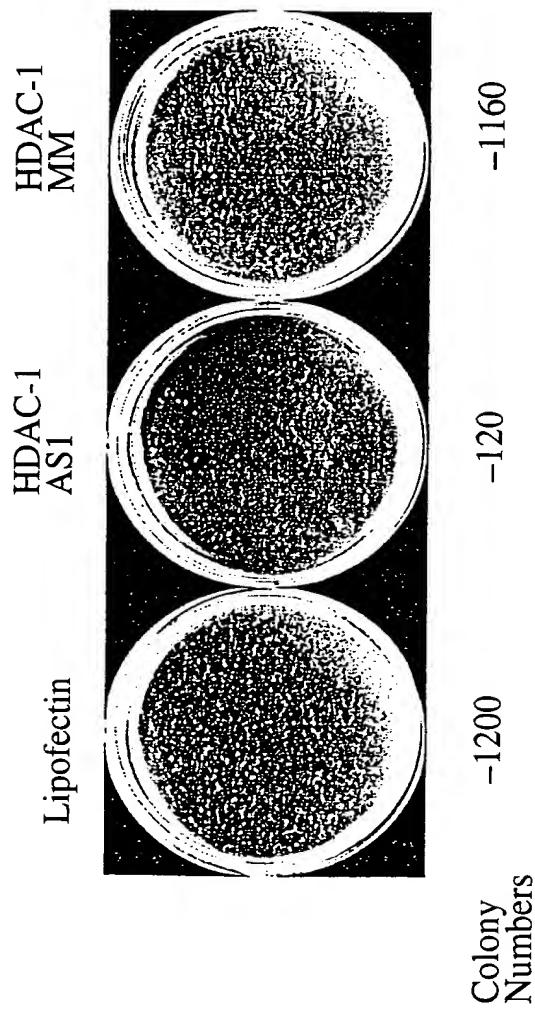


FIG. 17A

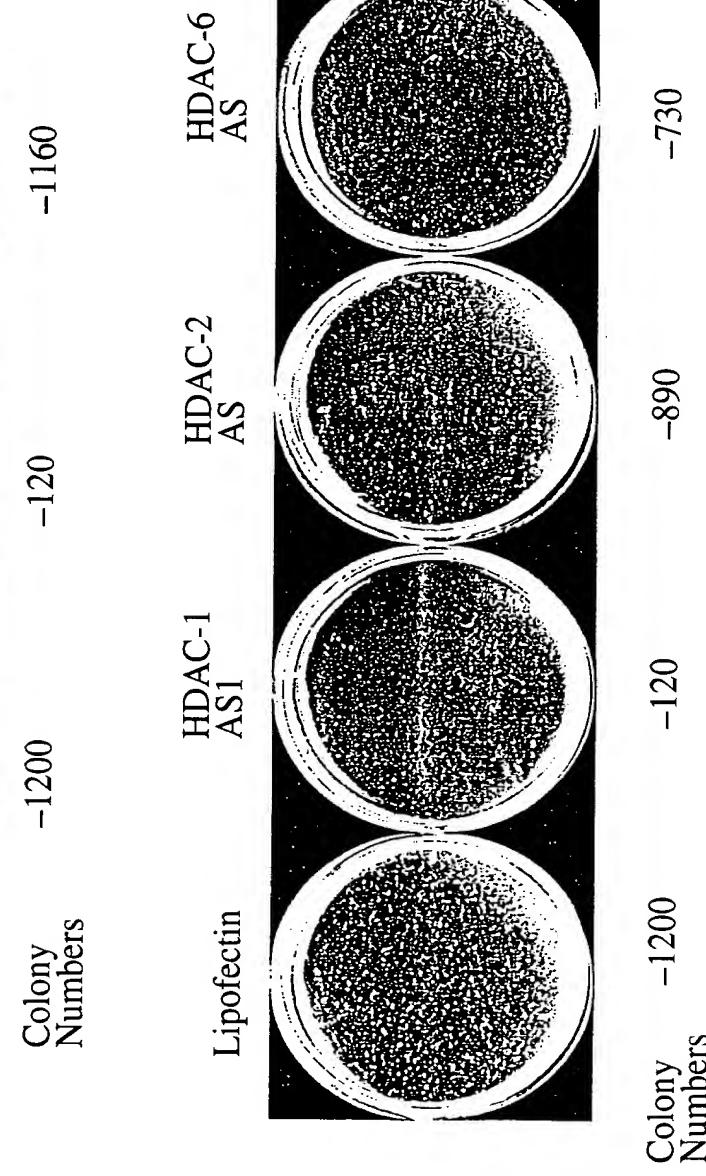


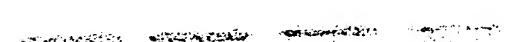
FIG. 17B

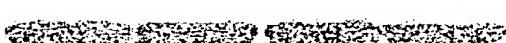
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Compound 3

0 1 5 25 uM

 ← p 21^{WAF1}

 ← Cyclin B1

 ← Cyclin A

 ← Actin

FIG. 18